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APR 25 2006

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FROM: Gregory Einhorn

DATE: April 25, 2006

Number of pages with cover page: 17	Original or hard copy to follow if this box is checked <input type="checkbox"/> .
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**Comments:**

ATTORNEY DOCKET: 564462001613  
 GROUP ART UNIT: 1652  
 EXAMINER: R. Hutson  
 SERIAL NO.: 10/034,621  
 FILING DATE: December 21, 2001  
 INVENTOR(S): Walter Callen et al.  
 TITLE: POLYMERASE-ENCODING NUCLEIC ACIDS AND METHODS OF MAKING AND USING THEM (AS AMENDED)

**Papers attached:**

1. Transmittal (1 page)
2. Fee Transmittal (1 page + duplicate for fee processing)
3. Petition for five month extension of time under 37 CFR 1.136(a) (1 page)
4. Second Response to Final Office Action (12 pages)

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PTO/SB/21 (09-04)

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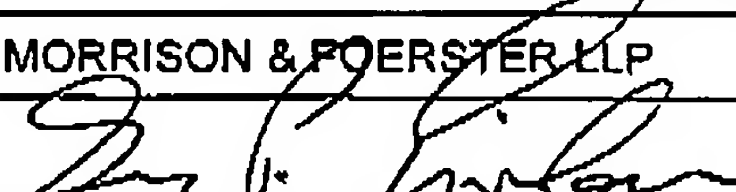
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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/034,621	
	Filing Date	December 21, 2001	
	First Named Inventor	Walter CALLEN	
	Art Unit	1652	
	Examiner Name	R. Hutson	
Total Number of Pages in This Submission	17	Attorney Docket Number	564462001613

**ENCLOSURES (Check all that apply)**

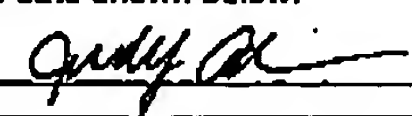
<input checked="" type="checkbox"/> Fee Transmittal Form (1 page plus duplicate for fee processing)  <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment/Reply  <input checked="" type="checkbox"/> After Final (12 pages)  <input type="checkbox"/> Affidavits/declaration(s)  <input checked="" type="checkbox"/> Extension of Time Request (1 page)  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Reply to Missing Parts/Incomplete Application  <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____  <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Fax cover sheet (1 page)
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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	MORRISON & FOERSTER LLP		
Signature			
Printed name	Gregory P. Einhorn		
Date	April 25, 2006	Reg. No.	38,440

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Dated: April 25, 2006

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PTO/SB/17 (01-08)

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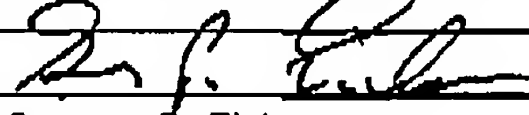
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<b>FEE TRANSMITTAL</b> For FY 2006		<b>Complete If Known</b>	
		Application Number	10/034,621
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Filing Date	December 21, 2001
		First Named Inventor	Walter CALLEN
<b>TOTAL AMOUNT OF PAYMENT</b> (\$) \$855.00		Examiner Name	R. Hutson
		Art Unit	1652
		Attorney Docket No.	564462001613

<b>METHOD OF PAYMENT</b> (check all that apply)	
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> None <input type="checkbox"/> Other (please identify): _____	
<input checked="" type="checkbox"/> Deposit Account            Deposit Account Number: <u>03-1952</u> Deposit Account Name: <u>Morrison &amp; Foerster LLP</u>	
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)	
<input checked="" type="checkbox"/> Charge fee(s) indicated below <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee	
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 <input checked="" type="checkbox"/> Credit any overpayments	

<b>FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)</b>							
<b>1. BASIC FILING, SEARCH, AND EXAMINATION FEES</b>							
Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	
<b>2. EXCESS CLAIM FEES</b>							
						Small Entity	
Fee Description						Fee (\$)	Fee (\$)
Each claim over 20 (including Reissues)						50	25
Each independent claim over 3 (including Reissues)						200	100
Multiple dependent claims						360	180
Total Claims		Extra Claims	Fee (\$)	Fee Paid (\$)		Multiple Dependent Claims	
- =		x	=	0.00		Fee (\$) Fee Paid (\$)	
HP = highest number of total claims paid for, if greater than 20.						0.00	
Indep. Claims		Extra Claims	Fee (\$)	Fee Paid (\$)			
- =		x	=	0.00			
HP = highest number of independent claims paid for, if greater than 3.							
<b>3. APPLICATION SIZE FEE</b>							
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(c)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)			
- 100 =	/50	(round up to a whole number) x	=				
<b>4. OTHER FEE(S)</b>							
Non-English Specification, \$130 fee (no small entity discount)						Fees Paid (\$)	
Other (e.g., late filing surcharge):							
Extension for response within fifth month *** Please note that a two month extension of time was paid for on January 27, 2006 with the first Amendment							
2255 After Final Office Action. (\$1080 - \$225 = \$855) ***						\$855.00	

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	38,440
Name (Print/Type)	Gregory P. Einhorn	Telephone	(858) 720-5133
		Date	April 25, 2006

sd-313121